

SIZE MEASURING INSTRUMENT

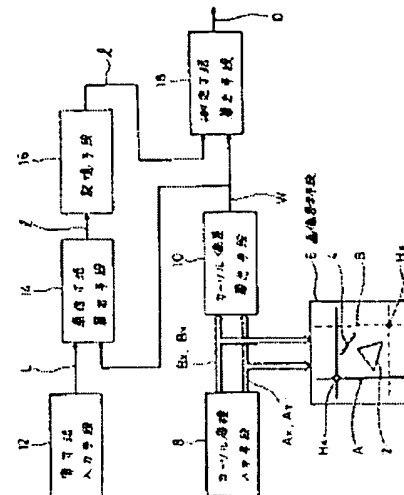
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Abstract of JP1203908

PURPOSE: To obtain the size measuring instrument which easily and accurately measures sizes over a wide range by displaying respective images of an object of size measurement and a body whose size is already known on the same scale and displaying two cursors on the images.

CONSTITUTION: A cursor coordinate input means 8 superposes cursor intersections HA and HB on both ends of the size-known part of a size-known image 4 by an image display means 6. A cursor deviation calculating means 10 receives horizontal and vertical coordinate values AX and AY, and BX and BY of the intersections HA and HB and outputs the root of the sum of the square of the difference between the coordinate values AX and BX and the square of the difference between the coordinate values AY and BY as a coordinate deviation W. The known size L of the size-known body displayed as the image is inputted from an actual size input means and inputted to a unit size calculating means 14 together with the deviation W to output a value L/W as a unit size I, which is stored 16. Then the means 8 superposes the intersections HA and HB on both ends of an image 2 and the means 10 outputs a deviation W similarly. Consequently, a measured size calculating means 18 multiplies the value W by the size I and outputs the result as a measured size D.



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